

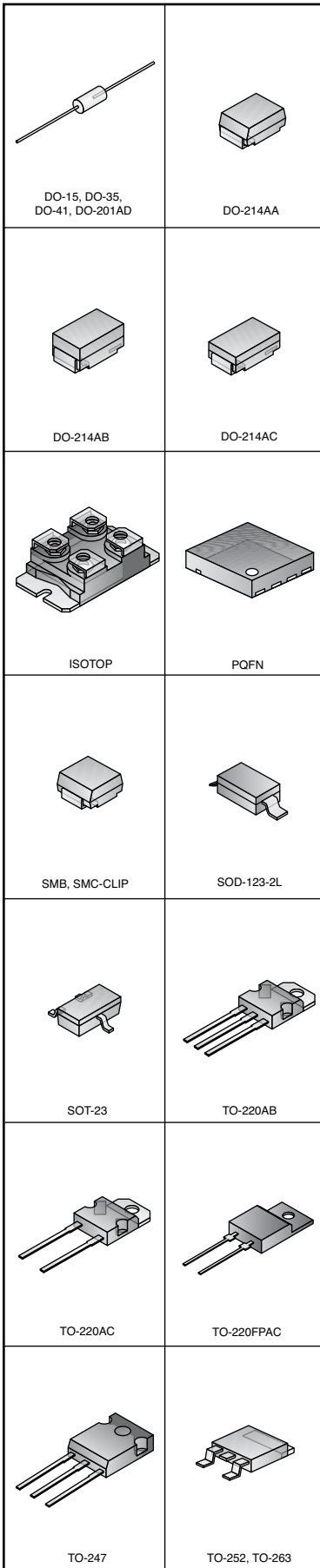
STMicroelectronics Rectifiers



Products may be RoHS compliant.
Check mouser.com for RoHS status.

Diodes & Rectifiers

STMicroelectronics



STMicroelectronics FAST RECOVERY RECTIFIERS

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. Mfr. Part Number | Case Type | VRMM Max. (V) | IF (AV) Typ. (A) | VF @ IF Max. (V) | trr Typ./Max. (ns) | trf Typ./Max. (ns) | IFSM Max. (A) | Price Each | | | |
|--------------------------------------|-----------|------------------|---------------------|---------------------|--------------------------|--------------------------|------------------|------------|----|-----|-----|
| | | | | | | | | 1 | 10 | 100 | 250 |
| 511—BYT01-400 | F-126 | 400 | 1.0 | 1.5 | ----/55 | ----/---- | 30 | | | | |
| 511—BYT03-400 | DO-201AD | 400 | 3.0 | 1.5 | ----/55 | ----/---- | 60 | | | | |
| 511—BYT08P-400 | TO-220AC | 400 | 8.0 | 1.5 | ----/75 | ----/---- | 100 | | | | |

STMicroelectronics ULTRA FAST RECOVERY RECTIFIERS

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. Mfr. Part No. | Case Type | VRMM Max. (V) | IF Max. (A) | VF @ IF Max. (V) | Tj Max. (C) | IFSM Max. (A) | Price Each | | | | |
|-----------------------------------|------------|------------------|----------------|---------------------|----------------|------------------|------------|----|-----|-----|--|
| | | | | | | | 1 | 10 | 100 | 250 | |
| Surface Mount | | | | | | | | | | | |
| 511—STTH10002TV1 | ISOTOP | 200 | 50.0 | 1.0 | 53/65 | ----/180 | 750 | | | | |
| 511—STTH102A | DO-214AC | 200 | 1.0 | 0.78 | ----/20 | ----/---- | 40 | | | | |
| 511—STTH1R06U | DO-214AA | 600 | 1.0 | 1.7 | ----/25 | ----/100 | 20 | | | | |
| 511—STTH3R06S | SMC-CLIP | 600 | 3.0 | 1.0 | ----/35 | ----/100 | 10.0 | | | | |
| 511—STTH112U | SMB | 1200 | 1.0 | 1.65 | ----/75 | ----/500 | 18 | | | | |
| 511—STTH212S | SMC-CLIP | 1200 | 2.0 | 1.50 | ----/75 | ----/500 | 40 | | | | |
| Thru Hole | | | | | | | | | | | |
| 511—STTH102 | DO-41 | 200 | 1.0 | 0.78 | ----/20 | ----/50 | 50.0 | | | | |
| 511—STTH2002CT | TO-220AB | 200 | 2X15 | 0.78 | ----/22 | ----/200 | 10.0 | | | | |
| 511—STTH60P03SW | TO-247 | 300 | 60.0 | 1.5 | ----/---- | ----/---- | 250 | | | | |
| 511—STTH2R06-TR | DO-41 | 600 | 2.0 | 1.7 | 35/50 | ----/100 | 40 | | | | |
| 511—STTH12R06D | TO-220AC | 600 | 12.0 | 2.9 | ----/25 | ----/200 | 100 | | | | |
| 511—STTH12R06DI | TO-220AC | 600 | 12.0 | 2.9 | ----/25 | ----/200 | 100 | | | | |
| 511—STTH15L06FP | TO-220FPAC | 600 | 15.0 | 1.55 | ----/55 | ----/300 | 130 | | | | |
| 511—STTH200L06TV1 | ISOTOP | 600 | 2X120 | 1.55 | ----/80 | ----/700 | 800 | | | | |
| 511—STTH506B-TR | TO-252 | 600 | 5.0 | 1.1 | ----/30 | ----/180 | 70.0 | | | | |
| 511—STTH806TTI | TO-220AB | 600 | 8.0 | 2.6 | ----/30 | ----/200 | 14.0 | | | | |
| 511—STTH8R06D | TO-220AC | 600 | 8.0 | 2.9 | ----/25 | ----/150 | 80 | | | | |

STMicroelectronics SCHOTTKY RECTIFIERS

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. Mfr. Part No. | Case Type | VRMM Max. (V) | IF Max. (A) | VF @ IF Max. (V) | Tj Max. (C) | IFSM Max. (A) | Price Each | | | |
|-----------------------------------|------------|------------------|----------------|---------------------|----------------|------------------|------------|----|-----|-----|
| | | | | | | | 1 | 10 | 100 | 250 |
| Surface Mount | | | | | | | | | | |
| 511—STPS0520Z | SOD-123-2L | 20 | 0.5 | 0.3 | 5.5 | 125 | | | | |
| 511—BAR42FILM | SOT-23 | 30 | 0.1 | 1 | 0.75 | 150 | | | | |
| 511—BAR43AFILM | SOT-23 | 30 | 0.1 | 1 | 0.75 | 150 | | | | |
| 511—BAR43SFILM | SOT-23 | 30 | 0.1 | 1 | 0.75 | 150 | | | | |
| 511—BAT54FILM | SOT-23 | 30 | 0.3 | 0.9 | 1 | 150 | | | | |
| 511—BAT54CFILM | SOT-23 | 30 | 0.3 | 0.9 | 1 | 150 | | | | |
| 511—BAT54SFILM | SOT-23 | 30 | 0.3 | 0.9 | 1 | 150 | | | | |
| 511—STPS1L30U | DO-214AA | 30 | 1 | 0.3 | 75 | 150 | | | | |
| 511—STPS15L30CB | TO-252 | 30 | 2X7.5 | 0.57 | 75 | 150 | | | | |
| 511—STPS140U | DO-214AA | 40 | 1 | 0.5 | 60 | 150 | | | | |
| 511—STPS140A | DO-214AC | 40 | 1 | 0.55 | 60 | 150 | | | | |
| 511—STPS2L40U | DO-214AA | 40 | 2 | 0.34 | 75 | 150 | | | | |
| 511—STPS340S | DO-214AB | 40 | 3 | 0.63 | 75 | 150 | | | | |
| 511—STPS340U | DO-214AA | 40 | 3 | 0.63 | 75 | 150 | | | | |
| 511—STPS640CB | TO-252 | 40 | 2X3 | 0.63 | 75 | 150 | | | | |
| 511—STPS3045DJF-TR | PQFN | 45 | 30 | 0.41 | 150 | 200 | | | | |
| 511—STPS15L45CB | TO-252 | 45 | 2X7.5 | 0.64 | 75 | 150 | | | | |
| 511—STPS160A | DO-214AC | 60 | 1 | 0.67 | 75 | 150 | | | | |
| 511—STPS15L60CB | TO-252 | 60 | 2X7.5 | 0.82 | 75 | 150 | | | | |
| 511—BAR18FILM | SOT-23 | 70 | 0.15 | 0.41 | ---- | 150 | | | | |
| 511—BAS70-04FILM | SOT-23 | 70 | 0.15 | 0.41 | ---- | 150 | | | | |
| 511—STPS30M100DJF-TR | PQFN | 100 | 30 | 0.58 | 150 | 200 | | | | |
| 511—STPS1H100U | DO-214AA | 100 | 1 | 0.77 | 50 | 175 | | | | |
| 511—STPS3H100U | DO-214AA | 100 | 3 | 0.84 | 175 | 75 | | | | |
| 511—STPS5H100B | TO-252 | 100 | 5 | 0.61 | 75 | 175 | | | | |
| 511—STPS20H100CG-TR | TO-263 | 100 | 2X5 | 0.64 | 250 | 175 | | | | |
| 511—STPS15H100CB | TO-252 | 100 | 2X7.5 | 0.89 | 75 | 175 | | | | |
| 511—STPS41H100CG | TO-263 | 100 | 2X20 | 0.9 | 220 | 175 | | | | |
| 511—STPS2150A | DO-214AC | 150 | 2 | 0.67 | 75 | 175 | | | | |
| 511—STPS30170DJF-TR | PQFN | 170 | 30 | 0.65 | 150 | 200 | | | | |
| Thru Hole | | | | | | | | | | |
| 511—STPS20L15D | TO-220AC | 15 | 20 | 0.41 | 310 | 125 | | | | |
| 511—BAT47 | DO-35 | 20 | 0.35 | 0.5 | 7.5 | 125 | | | | |
| 511—BAT48 | DO-35 | 20 | 0.35 | 0.75 | 7.5 | 125 | | | | |
| 511—1N5817 | DO-41 | 20 | 1 | 0.45 | 25 | 150 | | | | |
| 511—1N5820 | DO-201AD | 20 | 3 | 0.475 | 80 | 150 | | | | |
| 511—STPS10L25D | TO-220AC | 25 | 10 | 0.46 | 200 | 150 | | | | |
| 511—STPS15L25D | TO-220AC | 25 | 15 | 0.46 | 250 | 150 | | | | |
| 511—BAT42 | DO-35 | 30 | 0.2 | 1 | 4 | 125 | | | | |
| 511—BAT43 | DO-35 | 30 | 0.2 | 1 | 4 | 125 | | | | |
| 511—1N5818 | DO-41 | 30 | 1 | 0.55 | 25 | 150 | | | | |
| 511—1N5821 | DO-201AD | 30 | 3 | 0.5 | 80 | 150 | | | | |
| 511—STPS30L30CT | TO-220AB | 30 | 2X15 | 0.37 | 220 | 150 | | | | |
| 511—1N5819 | DO-41 | 40 | 1 | 0.6 | 25 | 150 | | | | |
| 511—1N5822 | DO-201AD | 40 | 3 | 0.525 | 80 | 150 | | | | |
| 511—STPS745D | TO-220AC | 45 | 7.5 | 0.84 | 150 | 175 | | | | |
| 511—STPS1045D | TO-220AB | 45 | 10 | 0.84 | 180 | 175 | | | | |
| 511—STPS1545D | TO-220AC | 45 | 15 | 0.57 | 220 | 175 | | | | |
| 511—STPS1545CT | TO-220AB | 45 | 2X7.5 | 0.57 | 150 | 175 | | | | |
| 511—STPS3045CT | TO-220AB | 45 | 2X15 | 0.84 | 220 | 175 | | | | |
| 511—STPS6045CW | TO-247 | 45 | 2X30 | 0.84 | 400 | 175 | | | | |
| 511—STPS12045TV | ISOTOP | 45 | 2X60 | 0.91 | 900 | 150 | | | | |
| 511—STPS16045TV | ISOTOP | 45 | 2X80 | 0.95 | 900 | 150 | | | | |
| 511—STPS24045TV | ISOTOP | 45 | 2X120 | 0.67 | 1500 | 150 | | | | |
| 511—1N6263 | DO-35 | 60 | 0.15 | 1 | 50 | 200 | | | | |
| 511—1N5711 | DO-35 | 70 | 0.15 | 1 | ---- | 200 | | | | |
| 511—BAT41 | DO-35 | 100 | 0.1 | 0.45 | 0.75 | 125 | | | | |
| 511—BAT46 | DO-35 | 100 | 0.15 | 0.25 | 0.75 | 115 | | | | |
| 511—STPS8H100D | TO-220AB | 100 | 8 | 0.71 | 250 | 175 | | | | |
| 511—STPS20H100CT | TO-220AB | 100 | 2X10 | 0.77 | 250 | 175 | | | | |
| 511—STPS41H100CT | TO-220AB | 100 | 2X20 | 0.9 | 220 | 175 | | | | |
| 511—STPS50U100CT | TO-220AB | 100 | 2x25 | 0.73 | 150 | 250 | | | | |
| 511—STPS160H100TV | ISOTOP | 100 | 2X80 | 0.68 | 1000 | 150 | | | | |
| 511—STPS1150 | DO-41 | 150 | 1 | 0.82 | 75 | 175 | | | | |

